

Work Order ID 146206

May 11, 2016 12:38:55 PM

146206

Page 1

Item ID: D3695-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Slider

Start Date: 5/20/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 6/10/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan: Set

Date: 20160511

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool # Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3695

Rev E

100

100

BAND SAW

0.00

Bandsaw

Memo

0.00

Jeaspa Bandsaw

Cut blank 9.450" long

10

Ø

DAS
44
9-89

16-05-18

110

110

HAAS CNC VERTICAL MACHINING #1

0.00

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

1- Mill as per Folio FA739 Rev: AA & Dwg D3695 Rev: E
2-Deburr per dwg D3695
3-Manually Tap for 10-32 heli coil

10

Ø

16/05/20

120

120

QC2- Inspect parts off machine FAI/FAIB

0.00

QC

Memo

0.00

Quality Control

10

Ø

16/05/20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Item Name: Slider
Start Date: 5/20/2016 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 6/10/2016 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	QC8- Inspect parts - second check	0.00							
130									DAS
QC	Memo	0.00				10	0		13 9-29
Quality Control									16/05/25
140	Chemical Conversion Coat per QSI005 4.1	0.00							
140									
HandFinish	Memo	0.00				10	0		16/05/31
Hand Finishing									
150	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3	0.00							
150									
Powdercoat	Memo	0.00				10	0		16-06-6 DAS 34 9-88
Powder Coating	*****MASK ALL HOLES AND UNHATCHED AREAS AS PER DWG D3695***** START TIME: 2:30 OVEN TEMPERATURE: 320° FINISH TIME: 3:00								

DQA: _____ Date: _____



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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐ Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐		AGAINST DEPARTMENT/PROCESS																																																																																																						
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Page 4

Item ID: D3695-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Slider

Stop ***NS2***

Start Date: 5/20/2016 Start Qty: 10.00

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Cust Item ID:

Required Date: 6/10/2016 Req'd Qty: 10.00

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

QC21- Final Inspection - Work Order Release

0.00

180

QC

Memo

0.00

Quality Control

MLC JUN 08 2016MLC JUN 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

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LOA ☐	Product Improvement ☐																																																																			
Substation ☐	Process Improvement ☐																																																																			
Past Expiry Date ☐	Manufacturing Process ☐																																																																			
Misidentified ☐	Past Due ☐																																																																			
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																	
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																	
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																	
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																	
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																	
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																	
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																	
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																	
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																	
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																	
OTHER : ☐																																																																				

Picklist Print

Page 1

May 11, 2016 12:39:00 PM

Work Order ID: 146206

146206

Parent Item: D3695-1

D3695-1

Parent Item Name: Slider

Start Date: 5/20/2016

Required Date: 6/10/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP Rev:A 08-03-27 new issue DD verified by:JLM IPP rev B
10.02.03 as per ncr 10-015 EC verified by: JLM IPP rev:C 10.11.29
as per dwg revD DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M6061T6B2.000X01.25
0

Purchased

No

100

f

36.6670

0.84

8.842105

DAS

M6061T6B2 000X01 250

44
9-89

16-05-18

6061-T6 Bar 2.00 x 1.25

Location

Loc Qty

Loc Code

MAT

12.667

m134191

0.667

* m134514

12

MAT003

24

m134058

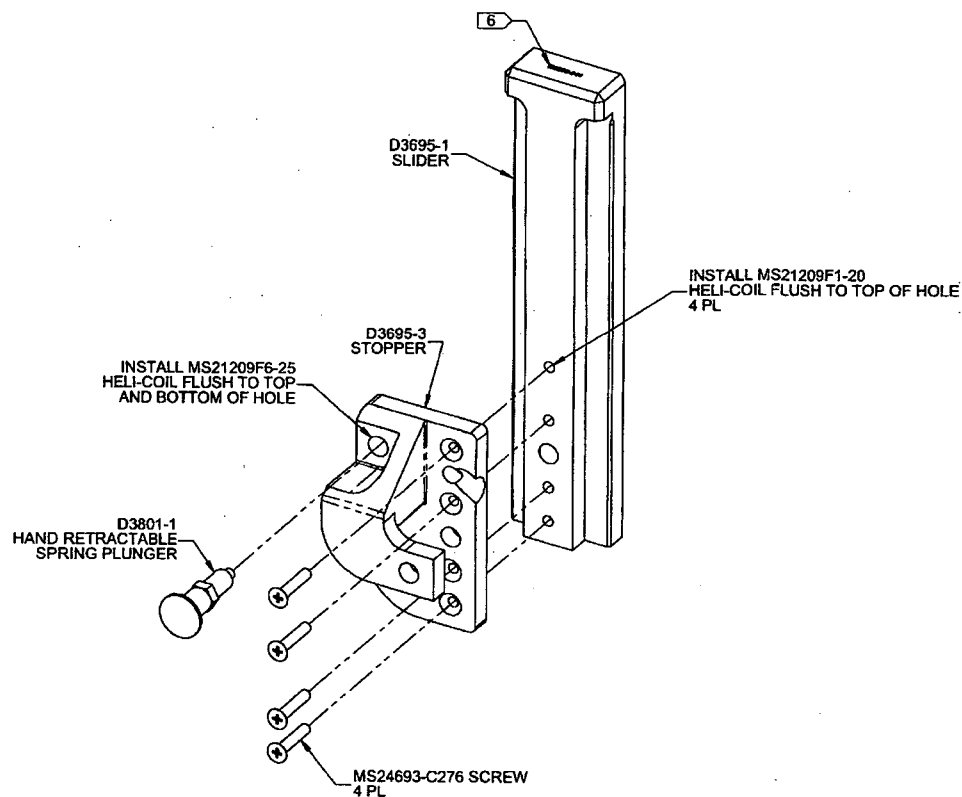
12

m134377

12

20160511

SH 146206

**D3695-041 SLIDER ASSEMBLY****D3695-041 NOTES:**

- 1) MATERIAL: NONE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENT P/N "D3695-041" PER QSI 044 6.1
- 7) WEIGHT: D3695-041 = 0.63 lbs

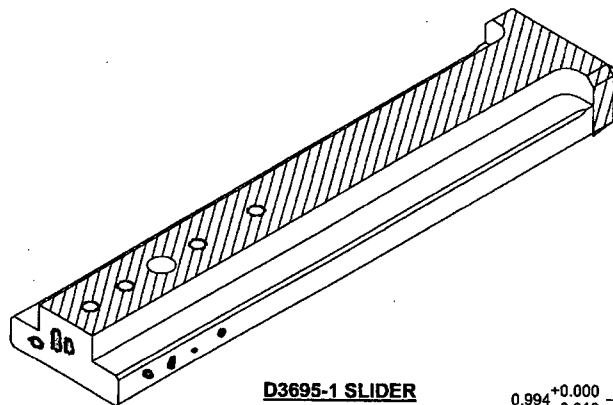
ITEM	QTY	P/N	DESCRIPTION
	X	D3695-041	SLIDER ASSEMBLY
1	1	D3695-1	SLIDER
2	1	D3695-3	STOPPER
3	1	D3801-1	HAND RETRACTABLE SPRING PLUNGER
4	4	MS21209F1-20	HELI-COIL, SCREW LOCKING (RED)
5	1	MS21209F6-25	HELI-COIL, SCREW LOCKING (RED)
6	4	MS24693-C276	SCREW

RELEASED
2012-07-16

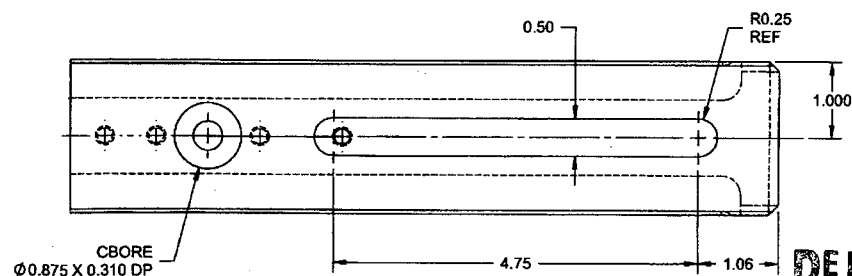
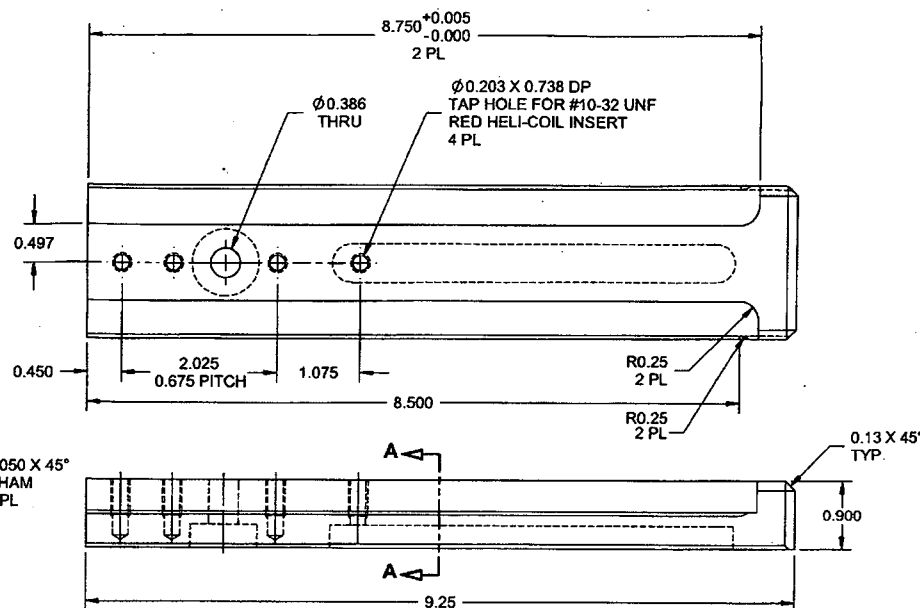
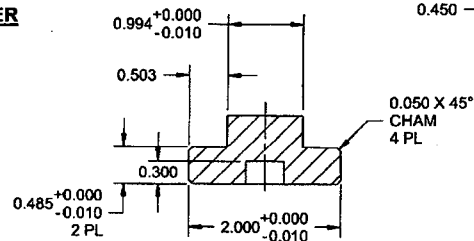
E	ADDED R0.93 (ZN C8-3). REASON: PAR12-177.	MB	12.06.27
D	NOTE 6 UPDATED PER QSI. DIM 0.994 ^{+0.000} / _{-0.005} WAS 1.000 ^{+0.000} / _{-0.010} & 0.503 WAS 0.500 (ZN C8-2). REF NCR 10-324. CHAMFER ADDED TO D3695-1 (ZN C5-2)	JPH	10.09.24
C	UPDATED BOM TO CURRENT STANDARDS; REVISED ITEM 12 (ZN D3-1); DIMS 1.83 AND 1.075 ^{+0.005} / _{-0.005} WERE 1.81 AND 1.063 ^{+0.005} / _{-0.005} (ZN B8-3 AND C4-3). REASON: COMPENSATE FOR PAINT THICKNESS AND ELIMINATE RATTLE UPON ASSEMBLY.	MB	08.11.04
B	P/N D3808-1 WAS WIP-510 (ZN C7-1 AND D3-1) - REASON: PURCHASED PARTS NOW PROCURED THROUGH D3801 SPEC CONTROL DRAWING	MB	08.08.26
A	NEW ISSUE	MB	08.03.14
REV.	DESCRIPTION	BY	DATE

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D3695	REV. E
MFG. APPR.		TITLE	SHEET 1 OF 3
APPROVED		SLIDER ASSEMBLY	SCALE
DE APPR.			NTS
DATE	12.06.27		

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D3695-1 SLIDER

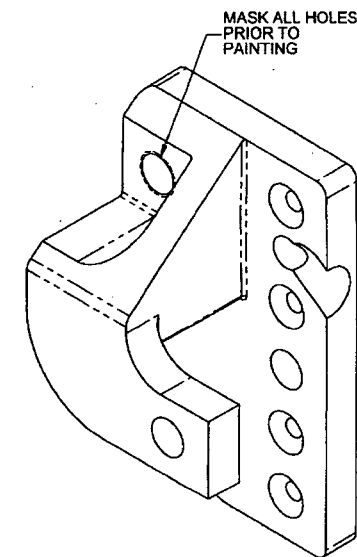
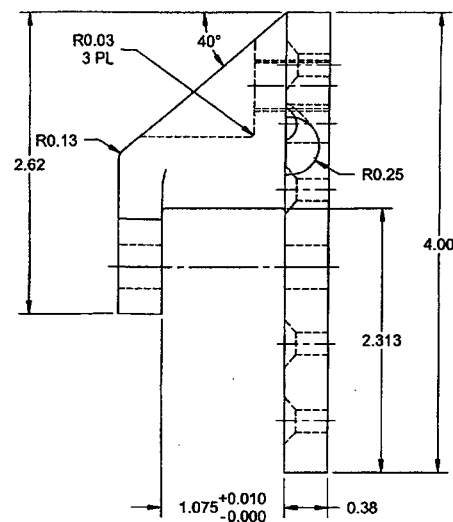
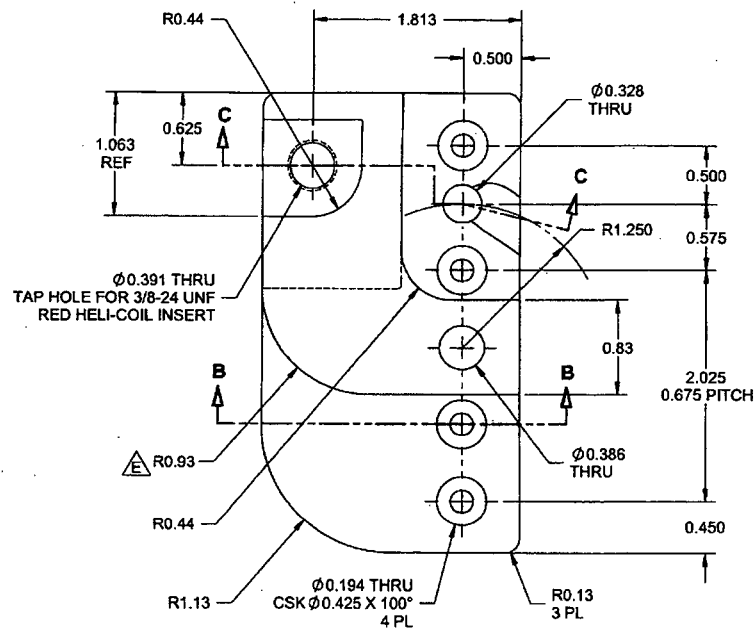


D3695-1 NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T651/-T6510/-T6511/-T62) BAR
PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR
PER AMS-QQ-A-200/8 (OR AMS 4160)
(REF. DART SPEC. M6061T6B)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GREY SANDTEX (4.3.5.6) PER DART
QSI 005 4.3 - MASK ALL HOLES AND UNHATCHED AREAS
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.431lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. E
MFG. APPR.		D3695	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SLIDER ASSEMBLY	NTS
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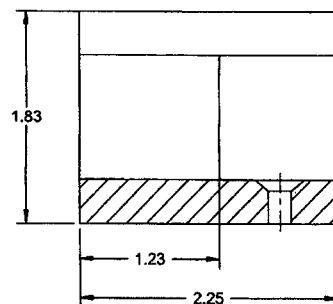


D3695-3 STOPPER

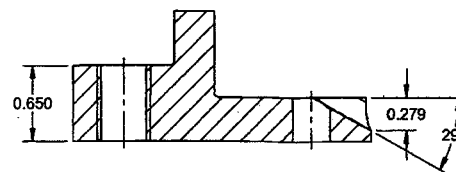
RELEASED
 2012-07-16

D3695-3 NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T651/-T6510/-T6511/-T62) BAR
 PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR
 PER AMS-QQ-A-200/8 (OR AMS 4160)
 (REF. DART SPEC. M8061T6B)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
 POWDER COAT GREY SANDTEX (4.3.5.6) PER DART
 QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.19 lbs



SECTION B-B



SECTION C-C

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN				
CHECKED			DRAWING NO. D3695	REV. E
MFG. APPR.				SHEET 3 OF 3
APPROVED			TITLE	SCALE
DE APPR.			SLIDER ASSEMBLY	NTS
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